



FORM PTO-1449	Atty. Docket No.: P32.12-0019	Appl. No.: 09/972,078
LIST OF PATENTS AND PUBLICATIONS FOR APPLICANT'S INFORMATION DISCLOSURE STATEMENT	First Named Inventor:	
	Evren Eryurek et al.	
	Filing Date	Group Art:
	October 5, 2001	2121

U.S. PATENT DOCUMENTS

Examiner Initial	Document No.	Date	Name	Class	Sub Class	Filing Date If Appropriate
<i>TV</i>	AA	6,016,523	1/18/00	Zimmerman et al.	710	63
<i>TV</i>	AB	6,052,655	4/18/00	Kobayashi et al.	702	184
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	AD					
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FOREIGN PATENT DOCUMENTS

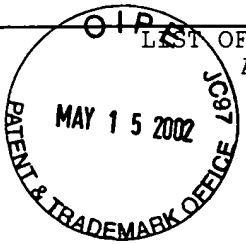
	Document No.	Date	Country	Class	Sub Class	Translation Yes No
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OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

	AP	
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	AR	

EXAMINER: *Todd Voeltz* DATE CONSIDERED: *3/24/04*

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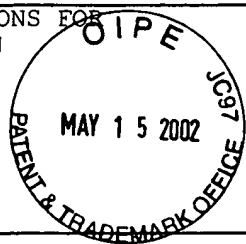
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TV	AA	3,618,592	11/9/71	Stewart et al.	128	2.05
	AB	4,668,473	5/26/87	Agarwal	422	62
	AC	4,720,806	1/19/88	Schippers et al.	364	551
	AD	4,736,763	4/12/88	Britton et al.	137	10
	AE	5,089,979	2/18/92	McEachern et al.	364	571.04
	AF	5,365,787	11/22/94	Hernandez et al.	73	660
	AG	5,436,705	7/25/95	Raj	355	246
	AH	5,526,293	6/11/96	Mozumder et al.	364	578
	AI	5,539,638	7/23/96	Keeler et al.	364	424.03
	AJ	5,591,922	1/7/97	Segeral et al.	73	861.04
	AK	5,633,809	5/27/97	Wissenbach et al.	364	510
	AL	5,708,211	1/13/98	Jepson et al.	73	861.04
	AM	5,710,370	1/20/98	Shanahan et al.	73	1.35
	AN	5,736,649	4/7/98	Kawasaki et al.	73	861.23
	AO	5,747,701	5/5/98	Marsh et al.	73	861.23
	AP	5,817,950	10/6/98	Wiklund et al.	73	861.66
	AQ	5,908,990	6/1/99	Cummings	73	861.22
	AR	6,072,150	6/6/00	Sheffer	219	121.83
	AS	6,112,131	8/29/00	Ghorashi et al.	700	142
	AT	6,119,529	9/19/00	DiMarco et al.	73	861.68
	AU	6,236,948	5/22/01	Eck et al.	702	45
TV	AV	6,311,136	10/30/01	Henry et al.	702	45
	AW	6,327,914	12/11/01	Dutton	73	861.356

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FOREIGN PATENT DOCUMENTS


		Document No.	Date	Country	Technology Center 2100		translation	
					Class	Class	Yes	No
TV	AN	03229124	11/10/91	Japan	_____	_____	X	(abstract only)
TV	AO	0 512 794 A2	5/5/92	EPO	_____	_____	X	

OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

TV	AP	Journal of Intelligent Manufacturing (1997) 8, 271-276 article entitled "On-line tool condition monitoring system with wavelet fuzzy neural network"						
	AQ							

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Examiner Initial	Document No.	Date	Name	Class	Sub Class	Filing Date If Appropriate
TV	AA	5,880,376	3/9/99	Sai et al.	73	861.08
TV	AB	6,038,579	3/14/00	Sekine	708	400
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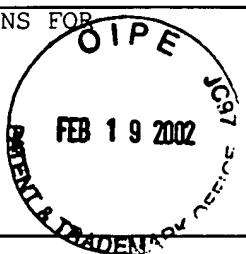
Todd Voeltz

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U.S. PATENT DOCUMENTS

Examiner Initial	Document No.	Date	Name	Class	Sub Class	Filing Date If Appropriate
TV	PA	4,249,164	2/3/81	Tivy	340	870.3
TV	PB	5,469,749	11/28/95	Shimada et al.	73	861.47
	PC					
	PD					
	PE					
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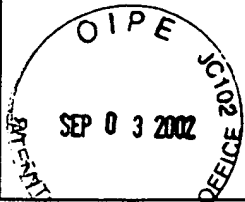
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U.S. PATENT DOCUMENTS

Examiner Initial	Document No.	Date	Name	Class	Sub Class	Filing Date If Appropriate
TN	AA	4,818,994	4/4/89	Orth et al.	340	870.21
TN	AB	6,139,180	10/31/00	Usher et al.	374	1
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	AH					
	AI					
	AJ					
	AK					

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FOREIGN PATENT DOCUMENTS

	Document No.	Date	Country	Class	Sub Class	Translation Yes No
AL						
AM						

OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

<i>TV</i>	AN	IEEE Transactions on Magnetics, Vol. 34, No. 5, September 1998, "Optical Design of the Coils of an Electromagnetic Flow Meter," pages 2563-2566				
<i>TV</i>	AO	IEEE Transactions on Magnetics, Vol. 30, No. 2, March 1994, "Magnetic Fluid Flow Meter for Gases," pages 936-938				
<i>TV</i>	AP	IEEE Instrumentation and Measurement, "New approach to a main error estimation for primary transducer of electromagnetic flow meter," pages 1093-1097				
<i>TV</i>	AQ	"Additional Information From Flowmeters via Signal Analysis," by J.E. Amadi-Echendu and E.H. Higham, pages 187-193				

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U.S. PATENT DOCUMENTS

Examiner Initial	Document No.	Date	Name	Class	Sub Class	Filing Date If Appropriate
TV	AA	3,855,858	12/24/74	Cushing	73	194
TV	AB	5,388,465	2/14/95	Okaniwa et al.	73	861.17
TV	AC	5,560,246	10/1/96	Bottinger et al.	73	861.15
TV	AD	6,014,902	1/18/00	Lewis et al.	73	861.12
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	AG					
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FOREIGN PATENT DOCUMENTS

	Document No.	Date	Country	Class	Sub Class	Translation Yes No
TV	AM	11083575	3/26/99	Japan	 	(Abstract Only)
TV	AN	60174915	9/9/85	Japan	 	(Abstract Only)
TV	AO	59163520	9/14/84	Japan	 	(Abstract Only)

OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

TV	AP	"Notification of Transmittal of the International Search Report or the Declaration" for PCT/US01/40791.
TV	AQ	"Notification of Transmittal of the International Search Report or the Declaration" for PCT/US01/40782.
	AR	

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DISCLOSURE STATEMENT

First Named Inventor:

Evren Eryurek et al.

Filing Date

Group Art:

October 5, 2001

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U.S. PATENT DOCUMENTS

Examiner Initial	Document No.	Date	Name	Class	Sub Class	Filing Date If Appropriate
T	AA	3,849,637	11/19/74	Caruso et al.	235	151
I	AB	3,952,759	4/27/76	Ottenstein	137	12
	AC	4,279,013	7/14/81	Cameron et al.	364	105
	AD	4,417,312	11/22/83	Cronin et al.	364	510
	AE	4,853,693	8/1/89	Eaton-Williams	340	588
	AF	5,434,774	7/18/95	Seberger	364	172
	AG	5,608,650	3/4/97	McClendon et al.	364	510
	AH	5,682,317	10/28/97	Keeler et al.	364	431.03
	AI	5,828,567	10/27/98	Eryurek et al.	364	184
	AJ	5,936,514	8/10/99	Anderson et al.	340	310.01
	AK	6,023,399	2/8/00	Kogure	361	23
	AL	6,347,252	2/12/02	Behr et al.	700	3
	AM	6,360,277	3/19/02	Ruckley et al.	709	250
	AN	6,370,448	4/9/02	Eryurek	700	282
	AO	6,397,114	5/28/02	Eryurek et al.	700	51
	AP	6,425,038	7/23/02	Sprecher	710	269
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	AR					

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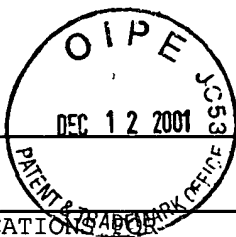
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	BC	EP 1,022,626	7/26/00	EPO	 			X
	BD	WO 98/39718	9/11/98	PCT WIPO	 			X
	BE	WO 99/19782	4/22/99	PCT WIPO	 			X
N	BF	WO 00/55700	9/21/00	PCT WIPO	 	Technology Center 2100		X

OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

N	BG	International Search Report for International Application No. PCT/US 02/14560, issued May 8, 2002. Report dated September 3, 2002.	
N	BH	International Search Report for International Application No. PCT/US 02/14934, issued May 8, 2002. Report dated August 28, 2002.	
	BI		

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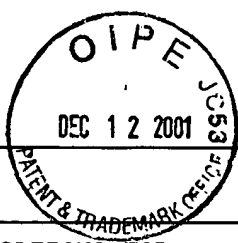
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TV	AC	3,404,264	Kugler	235	194	
TV	AD	3,468,164	Sutherland	73	343	
TV	AE	3,590,370	Fleischer	324	51	
TV	AF	3,688,190	Blum	324	61R	
TV	AG	3,691,842	Akeley	73	398	
TV	AH	3,701,280	Stroman	73	194	
TV	AI	3,973,184	Raber	324	51	
TV	AJ	4,058,975	Gilbert et al.	60	39.28	
TV	AK	4,099,413	Ohte et al.	73	359	
TV	AK	4,102,199	Talpouras	73	362	
TV	AL	4,122,719	Carlson et al.	73	342	
TV	AM	4,250,490	Dahlke	340	870.37	
TV	AN	4,337,516	Murphy et al.	364	551	
TV	AO	4,517,468	Kemper et al.	290	52	
TV	AP	4,530,234	Cullick et al.	73	53	
TV	AQ	4,571,689	Hildebrand et al.	364	481	
TV	AR	4,635,214	Kasai et al.	364	551	
TV	AS	4,642,782	Kemper et al.	364	550	
TV	AT	4,644,479	Kemper et al.	364	550	
TV	AU	4,649,515	Thompson et al.	364	900	
TV	AV	4,707,796	Calabro et al.	364	552	
TV	AW	4,736,367	Wroblewski et al.	370	85	
TV	AX	4,777,585	Kokawa et al.	364	164	
TV	AY	4,831,564	Suga	364	551 01	

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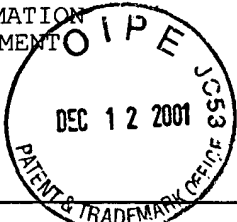
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TV	BC	4,907,167	03/06/90	Skeirik	364	500
TV	BD	4,924,418	05/08/90	Backman et al.	364	550
TV	BE	4,934,196	06/19/90	Romano	73	861.38
TV	BF	4,939,753	07/03/90	Olson	375	107
TV	BG	4,964,125	10/16/90	Kim	371	15.1
TV	BH	4,988,990	01/29/91	Warrior	340	25.5
TV	BI	4,992,965	02/12/91	Holter et al.	364	551.01
TV	BJ	5,005,142	04/02/91	Lipchak et al.	364	550
TV	BK	5,043,862	08/27/91	Takahashi et al.	364	162
TV	BL	5,053,815	10/01/91	Wendell	355	208
TV	BM	5,067,099	11/19/91	McCown et al.	364	550
TV	BN	5,081,598	01/14/92	Bellows et al.	364	550
TV	BO	5,089,984	02/18/92	Struger et al.	395	650
TV	BP	5,098,197	03/24/92	Shepard et al.	374	120
TV	BQ	5,099,436	03/24/92	McCown et al.	364	550
TV	BR	5,103,409	04/07/92	Shimizu et al.	364	556
TV	BS	5,111,531	05/05/92	Grayson et al.	395	23
TV	BT	5,121,467	06/09/92	Skeirik	395	11
TV	BU	5,122,794	06/16/92	Warrior	340	825.2
TV	BV	5,122,976	06/16/92	Bellows et al.	364	550
TV	BW	5,130,936	07/14/92	Sheppard et al.	364	551.01
TV	BX	5,134,574	07/28/92	Beaverstock et al.	364	551.01

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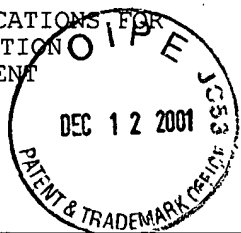
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TV	CB	5,142,612	08/25/92	Skeirik	395	11
TV	CC	5,143,452	09/01/92	Maxedon et al.	374	170
TV	CD	5,148,378	09/15/92	Shibayama et al.	364	551.07
TV	CE	5,167,009	11/24/92	Skeirik	395	27
TV	CF	5,175,678	12/29/92	Frerichs et al.	364	148
TV	CG	5,193,143	03/09/93	Kaemmerer et al.	395	51
TV	CH	5,197,114	03/23/93	Skeirik	395	22
TV	CI	5,197,328	03/30/93	Fitzgerald	73	168
TV	CJ	5,212,765	05/18/93	Skeirik	395	11
TV	CK	5,214,582	05/25/93	Gray	364	424.03
TV	CL	5,224,203	06/29/93	Skeirik	395	22
TV	CM	5,228,780	07/20/93	Shepard et al.	374	175
TV	CN	5,235,527	08/10/93	Ogawa et al.	364	571.05
TV	CO	5,265,031	11/23/93	Malczewski	364	497
TV	CP	5,265,222	11/23/93	Nishiya et al.	395	3
TV	CQ	5,274,572	12/28/93	O'Neill et al.	364	550
TV	CR	5,282,131	01/25/94	Rudd et al.	364	164
TV	CS	5,282,261	01/25/94	Skeirik	395	22
TV	CT	5,293,585	03/08/94	Morita	395	52
TV	CU	5,303,181	04/12/94	Stockton	365	96
TV	CV	5,305,230	04/19/94	Matsumoto et al.	364	495
TV	CW	5,311,421	05/10/94	Nomura et al.	364	157
TV	CX	5,317,520	05/31/94	Castle	364	482

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FORM PTO-1449	Atty. Docket No.: P32.12-0019	Appl. No.: 09/972,078
LIST OF PATENTS AND PUBLICATIONS FOR APPLICANT'S INFORMATION DISCLOSURE STATEMENT	First Named Inventor:	
	Evren Eryurek et al.	
	Filing Date	Group Art:
	October 5, 2001	2121




U.S. PATENT DOCUMENTS

Examiner Initial	Document No.	Date	Name	Class	Sub Class	Filing Date If Appropriate
TV	DA	5,327,357	07/05/94	Feinstein et al.	364 502	
	DB	5,333,240	07/26/94	Matsumoto et al.	395 23	
	DC	5,349,541	09/20/94	Alexandro, Jr. et al.	364 578	
	DD	5,357,449	10/18/94	Oh	364 551.01	
	DE	5,361,628	11/08/94	Marko et al.	73	116
	DF	5,365,423	11/15/94	Chand	364 140	
	DG	5,367,612	11/22/94	Bozich et al.	395 22	
	DH	5,384,699	01/24/95	Levy et al.	364 413.13	
	DI	5,386,373	01/31/95	Keeler et al.	364 577	
	DJ	5,394,341	02/28/95	Kepner	364 551.01	
	DK	5,394,543	02/28/95	Hill et al.	395 575	Technology Center 2100
	DL	5,404,064	04/04/95	Mermelstein et al.	310	319
	DM	5,408,406	04/18/95	Mathur et al.	364 163	
	DN	5,408,586	04/18/95	Skeirik	395 23	
	DO	5,414,645	05/09/95	Hirano	364 551.01	
	DP	5,419,197	05/30/95	Ogi et al.	73	659
	DQ	5,430,642	07/04/95	Nakajima et al.	364 148	
	DR	5,440,478	08/08/95	Fisher et al.	364 188	
	DS	5,442,639	08/15/95	Crowder et al.	371	20.1
	DT	5,467,355	11/14/95	Umeda et al.	364 571.04	
	DU	5,469,070	11/21/95	Koluvek	324	713
	DV	5,469,156	11/21/95	Kogura	340	870.38
✓	DW	5,469,735	11/28/95	Watanabe	73	118.1
TV	DX	5,481,199	01/02/96	Anderson et al.	324	705

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	EB	5,485,753	01/23/96	Burns et al.	73	720	
	EC	5,486,996	01/23/96	Samad et al.	364	152	
	ED	5,488,697	01/30/96	Kaemmerer et al.	395	51	
	EE	5,489,831	02/06/96	Harris	318	701	
	EF	5,495,769	05/03/96	Broden et al.	73	718	
	EG	5,510,779	04/23/96	Maltby et al.	340	870.300	
	EH	5,511,004	04/23/96	Dubost et al.	364	551.01	
	EI	5,548,528	08/20/96	Keeler et al.	364	497	
	EJ	5,561,599	10/01/96	Lu	364	164	RECEIVED
	EK	5,570,300	10/29/96	Henry et al.	364	551.01	DEC 13 2001
	EK	5,572,420	11/05/96	Lu	364	153	
	EL	5,573,032	11/12/96	Lenz et al.	137	486	Technology Center 2100
	EM	5,598,521	01/28/97	Kilgore et al.	395	326	
	EN	5,600,148	02/04/97	Cole et al.	250	495.1	
	EO	5,623,605	04/22/97	Keshav et al.	395	200.17	
	EP	5,640,491	06/17/97	Bhat et al.	395	22	
	EQ	5,661,668	08/26/97	Yemini et al.	364	550	
	ER	5,665,899	07/09/97	Willcox	73	1.63	
	ES	5,671,335	09/23/97	Davis et al.	395	23	
	ET	5,675,504	10/07/97	Serodes et al.	364	496	
	EU	5,675,724	10/07/97	Beal et al.	395	182.02	
	EV	5,704,011	12/30/97	Hansen et al.	395	22	
V	EW	5,705,978	01/06/98	Frick et al.	340	511	
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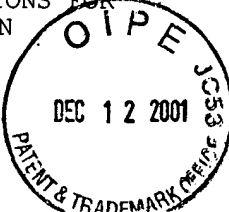
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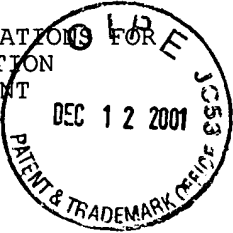
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<u>TV</u>	FA	5,713,668	02/03/98	Lunghofer et al.	374	179
	FB	5,742,845	04/21/98	Wagner	395	831
	FC	5,746,511	05/05/98	Eryurek et al.	374	2
	FD	5,752,008	05/12/98	Bowling	395	500
	FE	5,764,891	06/09/98	Warrior	395	200.2
	FF	5,781,878	07/14/98	Mizoguchi et al.	701	109
	FG	5,801,689	09/01/98	Huntsman	345	329
	FH	5,805,442	09/08/98	Crater et al.	364	138
	FI	5,828,567	10/27/98	Eryurek et al.	700	79
	FJ	5,859,964	01/12/99	Wang et al.	395	185.01
	FK	5,887,978	03/30/99	Lunghofer et al.	374	179
	FK	5,923,557	07/13/99	Eidson	364	471.03
	FL	5,924,086	07/13/99	Mathur et al.	706	25
	FM	5,940,290	08/17/99	Dixon	364	138
	FN	5,956,663	09/21/99	Eryurek et al.	702	183
	FO	5,970,430	10/19/99	Burns et al.	702	122
	FP	6,016,706	01/25/00	Yamamoto et al.	9	6
	FQ	6,017,143	01/25/00	Eryurek et al.	700	51
	FR	6,047,220	04/04/00	Eryurek et al.	700	28
	FS	6,047,222	04/04/00	Burns et al.	700	79
	FT	6,119,047	09/12/00	Eryurek et al.	700	28
	FU	6,199,018 B1	03/06/01	Quist et al.	702	34
	FV	5,347,843	09/20/94	Orr et al.	73	3
<u>TV</u>	FW	5,637,802	06/10/97	Frick et al.	73	724
<u>TV</u>	FX	5,680,109	10/21/97	Lowe et al.	340	608

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U.S. PATENT DOCUMENTS

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TV	GA 09/169,873	10/12/98	Eryurek et al.			
	GB 09/175,832	10/19/98	Eryurek et al.			
	GC 09/257,896	02/25/99	Eryurek et al.			
	GD 09/303,869	05/03/99	Eryurek et al.			
	GE 09/335,212	06/17/99	Kirkpatrick et al.			
	GF 09/344,631	06/25/99	Eryurek et al.			
	GG 09/360,473	07/23/99	Eryurek et al.			
	GH 09/369,530	08/06/99	Eryurek et al.			
	GI 09/383,828	08/27/99	Eryurek et al.			
	GJ 09/384,876	08/27/99	Eryurek et al.			
	CK 09/406,263	09/24/99	Kirkpatrick et al.			
	GL 09/409,098	09/30/99	Eryurek et al.			
	GM 09/409,114	09/30/99	Eryurek et al.			
	GN 09/565,604	05/04/00	Eryurek et al.			
	GO 09/576,450	05/23/00	David L. Wehrs			
	GP 09/606,259	06/29/00	Evren Eryurek			
	GQ 09/616,118	07/14/00	Eryurek et al.			
	GR 09/627,543	07/28/00	Eryurek et al.			
	GS 09/576,719	05/23/00	Coursolle et al.			
	GT 09/799,824	03/05/01	Romo et al.			
	GU 09/855,179	05/14/01	Eryurek et al.			
	GV 4,399,824	08/23/83	Davidson	128	736	
	GW 5,269,311	12/14/93	Kirchner et al.	128	672	
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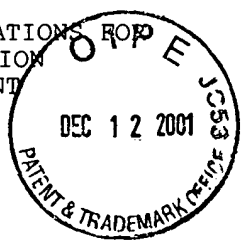
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	October 5, 2001	2121




FOREIGN PATENT DOCUMENTS

		Document No.	Date	Country	Class	Sub Class	Translation	
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	HD	WO 96/39617	12/12/96	WIPO	_____	_____	X	
	HE	WO 97/21157	06/12/97	WIPO	_____	_____	X	
	HF	WO 97/25603	07/17/97	WIPO	_____	_____	X	
	HG	WO 98/06024	02/12/98	WIPO	_____	_____	X	
	HH	WO 98/20469	05/14/98	WIPO	_____	_____	X	
	HI	0 122 622 A1	10/24/84	EPO	_____	_____	X	
	HJ	0 413 814 A1	02/27/91	EPO	_____	_____	X	
	HK	0 624 847 A1	11/17/94	EPO	_____	_____	X	(Abstract)
	HL	0 487 419 A2	05/27/92	EPO	_____	_____	X	
	HM	0 594 227 A1	04/27/94	EPO	_____	_____	X	
	HN	0 644 470 A2	03/22/95	EPO	_____	_____	X	
	HO	EP 0 825 506 A2	07/14/97	EPO	_____	_____	X	
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	HQ	EP 0 838 768 A2	09/24/97	EPO	_____	_____	X	
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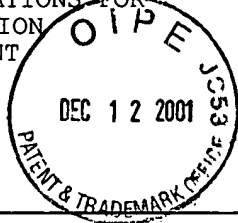
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	Document No.	Date	Country	Class	Sub Class	Translation Yes No
TV	JA 2 302 514	09/24/76	France	—————	—————	X
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	JC JP 07225530	05/1998	Japan	—————	—————	ABSTRACT ONLY
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	JE WO 98/13677	04/1998	WIPO	—————	—————	
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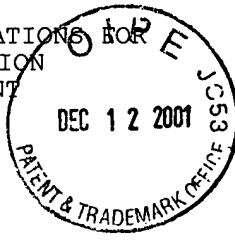
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FORM PTO-1449	Attorney Technology Center No.: P32.12-0019 Center 2100	Appl. No.: 09/972,078
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TV	KA	"A TCP\IP Tutorial" by, Socolofsky et al., Spider Systems Limited, January 1991 pp. 1-23.
	KB	"Approval Standards For Explosionproof Electrical Equipment General Requirements", Factory Mutual Research, Cl. No. 3615, March 1989, pp. 1-34.
	KC	"Approval Standard Intrinsically Safe Apparatus and Associated Apparatus For Use In Class I, II, and III, Division 1 Hazardous (Classified) Locations", Factory Mutual Research, Cl. No. 3610, October 1988, pp. 1-70.
	KD	"Automation On-line" by, Phillips et al., Plant Services, July 1997, pp. 41-45.
	KE	"Climb to New Heights by Controlling your PLCs Over the Internet" by, Phillips et al., Intech, August 1998, pp. 50-51.
	KF	"CompProcessor For Piezoresistive Sensors" MCA Technologies Inc. (MCA7707), pp. 1-8.
	KG	"Ethernet emerges as viable, inexpensive fieldbus", Paul G. Schreier, Personal Engineering, December 1997, p. 23-29.
	KH	"Ethernet Rules Closed-loop System" by, Eidson et al., Intech, June 1998, pp. 39-42.
	KI	"Fieldbus Standard for Use in Industrial Control Systems Part 2: Physical Layer Specification and Service Definition", ISA-S50.02-1992, pp. 1-93.
	KJ	"Fieldbus Standard for Use in Industrial Control Systems Part 3: Data Link Service Definition", ISA-S50.02-1997, Part 3, August 1997, pp. 1-159.
	KK	"Fieldbus Standard For Use in Industrial Control Systems Part 4: Data Link Protocol Specification, ISA-S50.02-1997, Part 4, August 1997, pp. 1-148.
	KL	"Fieldbus Support For Process Analysis" by, Blevins et al., Fisher-Rosemount Systems, Inc., 1995, pp. 121-128.
	KM	"Fieldbus Technical Overview Understanding FOUNDATION™ fieldbus technology", Fisher-Rosemount, 1998, pp. 1-23.
	KN	"Hypertext Transfer Protocol -- HTTP/1.0" by, Berners-Lee et al., MIT/LCS, May 1996, pp. 1-54.
	KO	"Infranets, Intranets, and the Internet" by, Pradip Madan, Echelon Corp, Sensors, March 1997, pp. 46-50.
TV	KP	"Internet Technology Adoption into Automation" by, Fondl et al., Automation Business, pp. 1-5.

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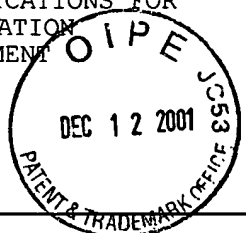
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TV	LA	"Internet Protocol Darpa Internet Program Protocol Specification" by, Information Sciences Institute, University of Southern California, RFC 791, September 1981, pp. 1-43.
	LB	"Introduction to Emit", emWare, Inc., 1997, pp. 1-22.
	LC	"Introduction to the Internet Protocols" by, Charles L. Hedrick, Computer Science Facilities Group, Rutgers University, October 3, 1988, pp. 1-97.
	LD	"Is There A Future For Ethernet in Industrial Control?", Miclot et al., Plant Engineering, October 1988, pp. 44-46, 48, 50.
	LE	LFM/SIMA Internet Remote Diagnostics Research Project Summary Report, Stanford University, January 23, 1997, pp. 1-6.
	LF	"Managing Devices with the Web" by, Howard et al., Byte, September 1997, pp. 45-64.
	LG	"Modular Microkernel Links GUI And Browser For Embedded Web Devices" by, Tom Williams, pp. 1-2.
	LH	"PC Software Gets Its Edge From Windows, Components, and the Internet", Wayne Labs, I&CS, March 1997, pp. 23-32.
	LI	Proceedings Sensor Expo, Anaheim, California, Produced by Expocon Management Associates, Inc., April 1996, pp. 9-21.
	LJ	Proceedings Sensor Expo, Boston, Massachusetts, Produced by Expocon Management Associates, Inc., May 1997, pp. 1-416.
	LK	"Smart Sensor Network of the Future" by, Jay Warrior, Sensors, March 1997, pp. 40-45.
	LL	"The Embedded Web Site" by, John R. Hines, IEEE Spectrum, September 1996, p. 23.
	LM	"Transmission Control Protocol: Darpa Internet Program Protocol Specification" Information Sciences Institute, September 1981, pp. 1-78.
	LN	"On-Line Statistical Process Control for a Glass Tank Ingredient Scale," by R.A. Weisman, IFAC real Time Programming, 1985, pgs. 29-38.
✓	LO	"The Performance of Control Charts for Monitoring Process Variation," by C. Lowry et al., COMMUN. STATIS. - SIMULA., 1995, pgs. 409-437.
TV	LP	"A Knowledge-Based Approach for Detection and Diagnosis of Out-Of-Control Events in Manufacturing Processes," by P. Love et al., IEEE, 1989, pgs. 736-741.

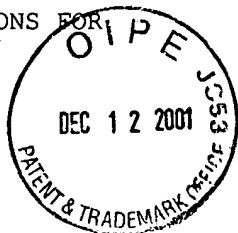
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FORM PTO-1449	Atty. Docket No.: P32.12-0019	Appl. No.: 09/972,078
LIST OF PATENTS AND PUBLICATIONS FOR APPLICANT'S INFORMATION DISCLOSURE STATEMENT	First Named Inventor:	
	Evren Eryurek et al.	
	Filing Date	Group Art:
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TV	MA	"Advanced Engine Diagnostics Using Universal Process Modeling", by P. O'Sullivan, Presented at the 1996 SAE Conference on Future Transportation Technology, pgs. 1-9.
	MB	"Parallel, Fault-Tolerant Control and Diagnostics System for Feedwater Regulation in PWRs, by E. Eryurek et al., Proceedings of the American Power Conference.
	MC	"Programmable Hardware Architectures for Sensor Validation", by M.P. Henry et al., Control Eng. Practice, Vol. 4, No. 10., pgs. 1339-1354, (1996).
	MD	"Sensor Validation for Power Plants Using Adaptive Backpropagation Neural Network," IEEE Transactions on Nuclear Science, Vol. 37, No. 2, by E. Eryurek et al. April 1990, pgs. 1040-1047.
	ME	"Signal Processing, Data Handling and Communications: The Case for Measurement Validation", by M.P. Henry, Department of Engineering Science, Oxford University.
	MF	"Smart Temperature Measurement in the '90s", by T. Kerlin et al., C&I, (1990).
	MG	"Software-Based Fault-Tolerant Control Design for Improved Power Plant Operation," IEEE/IFAC Joint Symposium on Computer-Aided Control System Design, March 7-9, 1994 pgs. 585-590.
	MH	"A Standard Interface for Self-Validating Sensors, by M.P. Henry et al., Report No. QUEL 1884/91, (1991).
	MI	"Taking Full Advantage of Smart Transmitter Technology Now," by G. Orrison, Control Engineering, Vol. 42, No. 1, January 1995.
	MJ	"Using Artificial Neural Networks to Identify Nuclear Power Plant States," by Israel E. Alguindigue et al., pgs. 1-4.
	MK	"Application of Neural Computing Paradigms for Signal Validation," by B.R. Upadhyaya et al., Department of Nuclear Engineering, pgs. 1-18.
	ML	"Application of Neural Networks for Sensor Validation and Plant Monitoring," by B. Upadhyaya et al., Nuclear Technology, Vol. 97, No. 2, Feb. 1992 pgs. 170-176.
	MM	"Automated Generation of Nonlinear System Characterization for Sensor Failure Detection," by B.R. Upadhyaya et al., ISA, 1989 pgs. 269-274.
	MN	"In Situ Calibration of Nuclear Plant Platinum Resistance Thermometers Using Johnson Noise Methods," EPRI, June 1983.
↓	MO	"Johnson Noise Thermometer for High Radiation and High-Temperature Environments," by L. Oakes et al., Fifth Symposium on Space Nuclear Power Systems, January 1988, pgs. 2-23.
TV	MP	"Development of a Resistance Thermometer For Use Up to 1600°C", by M.J. de Groot et al., CAL LAB, July/August 1996, pgs. 38-41.

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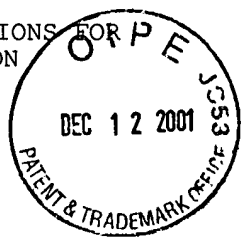
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TV	NA	"Survey, Applications, And Prospects of Johnson Noise Thermometry," by T. Blalock et al., <u>Electrical Engineering Department</u> , 1981 pgs. 2-11.
	NB	"Noise Thermometry for Industrial and Metrological Applications at KFA Julich," by H. Brixy et al., <u>7th International Symposium on Temperature</u> , 1992.
	NC	"Johnson Noise Power Thermometer and its Application in Process Temperature Measurement," by T.V. Blalock et al., <u>American Institute of Physics</u> 1982, pgs. 1249-1259.
	ND	"Field-based Architecture is Based on Open Systems, Improves Plant Performance", by P. Cleaveland, <u>I&CS</u> , August 1996, pgs. 73-74.
	NE	"Tuned-Circuit Dual-Mode Johnson Noise Thermometers," by R.L. Shepard et al., April 1992.
	NF	"Tuned-Circuit Johnson Noise Thermometry," by Michael Roberts et al., <u>7th Symposium on Space Nuclear Power Systems</u> , January 1990.
	NG	"Smart Field Devices Provide New Process Data, Increase System Flexibility," by Mark Boland, <u>I&CS</u> , November 1994, pgs. 45-51.
	NH	"Wavelet Analysis of Vibration, Part I: Theory ¹ ," by D.E. Newland, <u>Journal of Vibration and Acoustics</u> , Vol. 116, October 1994, pgs. 409-416.
	NI	"Wavelet Analysis of Vibration, Part 2: Wavelet Maps," by D.E. Newland, <u>Journal of Vibration and Acoustics</u> , Vol. 116, October 1994, pgs. 417-425.
	NJ	"Development of a Long-Life, High-Reliability Remotely Operated Johnson Noise Thermometer," by R.L. Shepard et al., <u>ISA</u> , 1991, pgs. 77-84.
	NK	"Application of Johnson Noise Thermometry to Space Nuclear Reactors," by M.J. Roberts et al., <u>Presented at the 6th Symposium on Space Nuclear Power Systems</u> , January 9-12, 1989.
	NL	"A Decade of Progress in High Temperature Johnson Noise Thermometry," by T.V. Blalock et al., <u>American Institute of Physics</u> , 1982 pgs. 1219-1223.
	NM	"Sensor and Device Diagnostics for Predictive and Proactive Maintenance", by B. Boynton, <u>A Paper Presented at the Electric Power Research Institute - Fossil Plant Maintenance Conference in Baltimore, Maryland, July 29-August 1, 1996</u> , pgs. 50-1 - 50-6.
✓	NN	"Detection of Hot Spots in Thin Metal Films Using an Ultra Sensitive Dual Channel Noise Measurement System," by G.H. Massiha et al., <u>Energy and Information Technologies in the Southeast</u> , Vol. 3 of 3, April 1989, pgs. 1310-1314.
TV	NO	"Detecting Blockage in Process Connections of Differential Pressure Transmitters", by E. Taya et al., <u>SICE</u> , 1995, pgs. 1605-1608.

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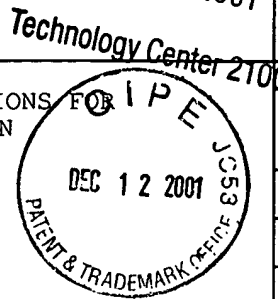
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Evren Eryurek et al.

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TV	OA	"Development and Application of Neural Network Algorithms For Process Diagnostics," by B.R. Upadhyaya et al., <u>Proceedings of the 29th Conference on Decision and Control</u> , 1990, pgs. 3277-3282.
	OB	"A Fault-Tolerant Interface for Self-Validating Sensors", by M.P. Henry, <u>Colloquium</u> , pgs. 3/1-3/2 (November 1990).
	OC	"Fuzzy Logic and Artificial Neural Networks for Nuclear Power Plant Applications," by R.C. Berkan et al., <u>Proceedings of the American Power Conference</u> .
	OD	"Fuzzy Logic and Neural Network Applications to Fault Diagnosis", by P. Frank et al., <u>International Journal of Approximate Reasoning</u> , (1997), pgs. 68-88.
	OE	"Keynote Paper: Hardware Compilation-A New Technique for Rapid Prototyping of Digital Systems-Applied to Sensor Validation", by M.P. Henry, <u>Control Eng. Practice</u> , Vol. 3, No. 7., pgs. 907-924, (1995).
	OF	"The Implications of Digital Communications on Sensor Validation", by M. Henry et al., <u>Report No. QUEL 1912/92</u> , (1992).
	OG	"In-Situ Response Time Testing of Thermocouples", <u>ISA</u> , by H.M. Hashemian et al., Paper No. 89-0056, pgs. 587-593, (1989).
	OH	"An Integrated Architecture For Signal Validation in Power Plants," by B.R. Upadhyaya et al., <u>Third IEEE International Symposium on Intelligent Control</u> , August 24-26, 1988, pgs. 1-6.
	OI	"Integration of Multiple Signal Validation Modules for Sensor Monitoring," by B. Upadhyaya et al., <u>Department of Nuclear Engineering</u> , July 8, 1990, pgs. 1-6.
	OJ	"Intelligent Behaviour for Self-Validating Sensors", by M.P. Henry, <u>Advances In Measurement</u> , pgs. 1-7, (May 1990).
	OK	"Measurement of the Temperature Fluctuation in a Resistor Generating 1/F Fluctuation," by S. Hashiguchi, <u>Japanese Journal of Applied Physics</u> , Vol. 22, No. 5, Part 2, May 1983, pgs. L284-L286.
	OL	"Check of Semiconductor Thermal Resistance Elements by the Method of Noise Thermometry", by A. B. Kisilevskii et al., <u>Measurement Techniques</u> , Vol. 25, No. 3, March 1982, New York, USA, pgs. 244-246.
	OM	"Neural Networks for Sensor Validation and Plant Monitoring," by B. Upadhyaya, <u>International Fast Reactor Safety Meeting</u> , August 12-16, 1990, pgs. 2-10.
✓	ON	"Neural Networks for Sensor Validation and Plantwide Monitoring," by E. Eryurek, 1992.
TV	OO	"A New Method of Johnson Noise Thermometry", by C.J. Borkowski et al., <u>Rev. Sci. Instrum.</u> , Vol. 45, No. 2, (February 1974) pgs. 151-162.

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	October 5, 2001	2121

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TV	PA	"Thermocouple Continuity Checker," IBM Technical Disclosure Bulletin, Vol. 20, No. 5, pages 1954 (October 1977).
	PB	"A Self-Validating Thermocouple," Janice C-Y et al., IEEE Transactions on Control Systems Technology, Vol. 5, No. 2, pp. 239-53 (March 1997).
	PC	Instrument Engineers' Handbook, Chapter IV entitled "Temperature Measurements," by T.J. Claggett, pp. 266-333 (1982).
	PD	"emWare's Releases EMIT 3.0, Allowing Manufacturers to Internet and Network Enable Devices Royalty Free," 3 pages, PR Newswire (November 4, 1998).
	PE	Warrior, J., "The IEEE P1451.1 Object Model Network Independent Interfaces for Sensors and Actuators," pp. 1-14, Rosemount Inc. (1997).
	PF	Warrior, J., "The Collision Between the Web and Plant Floor Automation," 6 th . WWW Conference Workshop on Embedded Web Technology, Santa Clara, CA (April 7, 1997).
	PG	Microsoft Press Computer Dictionary, 3 rd Edition, page 124.
	PH	"Internal Statistical Quality Control for Quality Monitoring Instruments", by P. Girling et al., ISA, 15 pgs., 1999.
	PI	Web Pages from www.triant.com (3 pgs.).
	PJ	"Statistical Process Control (Practice Guide Series Book)", Instrument Society of America, 1995, pgs. 1-58 and 169-204.
	PK	"Time-Frequency Analysis of Transient Pressure Signals for a Mechanical Heart Valve Cavitation Study," ASAIO Journal, by Alex A. Yu et al., Vol. 44, No. 5, pgs. M475-M479, (September - October 1998).
	PL	"Transient Pressure Signals in Mechanical Heart Valve Cavitation," by Z.J. Wu et al., pgs. M555-M561 (undated).
	PM	"Cavitation in Pumps, Pipes and Valves," Process Engineering, by Dr. Ronald Young, pgs. 47 and 49 (January 1990).
	PN	"Quantification of Heart Valve Cavitation Based on High Fidelity Pressure Measurements," Advances in Bioengineering 1994, by Laura A. Garrison et al., BED-Vol. 28, pgs. 297-298 (November 6-11, 1994).
	PO	"Monitoring and Diagnosis of Cavitation in Pumps and Valves Using the Wigner Distribution," Hydroacoustic Facilities, Instrumentation, and Experimental Techniques, NCA-Vol. 10, pgs. 31-36 (1991).
	PP	"Developing Predictive Models for Cavitation Erosion," Codes and Standards in A Global Environment, PVP-Vol. 259, pgs. 189-192 (1993).
TV	PT	"Self-Diagnosing Intelligent Motors: A Key Enabler for Next Generation Manufacturing System," by Fred M. Discenzo et al., pgs. 3/1-3/4 (1999).

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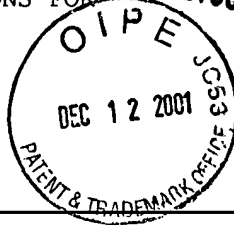
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TV	QA	"A Microcomputer-Based Instrument for Applications in Platinum Resistance Thermometry," by H. Rosemary Taylor and Hector A. Navarro, Journal of Physics E. Scientific Instrument, Vol. 16, No. 11, pp. 1100-1104 (1983).
	QB	"Experience in Using Estelle for the Specification and Verification of a Fieldbus Protocol: FIP," by Barretto et al., Computer Networking, pp. 295-304 (1990).
	QC	"Computer Simulation of H1 Field Bus Transmission," by Utsumi et al., Advances in Instrumentation and Control, Vol. 46, Part 2, pp. 1815-1827 (1991).
	QD	"Progress in Fieldbus Developments for Measuring and Control Application," by A. Schwaier, Sensor and Actuators, pp. 115-119 (1991).
	QE	"Ein Emulationssystem zur Leistungsanalyse von Feldbussystemen, Teil 1," by R. Hoyer, pp. 335-336 (1991).
	QF	"Simulatore Integrato: Controllo su bus di campo," by Barabino et al., Automazione e Strumentazione, pp. 85-91 (October 1993).
	QG	"Ein Modulares, verteiltes Diagnose-Expertensystem für die Fehlerdiagnose in lokalen Netzen," by Jürgen M. Schröder, pp. 557-565 (1990).
	QH	"Fault Diagnosis of Fieldbus Systems," by Jürgen Quade, pp. 577-581 (10/92).
	QI	"Ziele und Anwendungen von Feldbussystemen," by T. Pfeifer et al., pp. 549-557 (10/87).
	QJ	"PROFIBUS-Infrastrukturmaßnahmen," by Tilo Pfeifer et al., pp. 416-419 (8/91).
	QK	"Simulation des Zeitverhaltens von Feldbussystemen," by O. Schnelle, pp. 440-442 (1991).
	QL	"Modélisation et simulation d'un bus de terrain: FIP," by Song et al, pp. 5-9 (undated).
	QM	"Feldbusnetz für Automatisierungssysteme mit intelligenten Funktionseinheiten," by W. Kriesel et al., pp. 486-489 (1987).
	QN	"Bus de campo para la inteconexión del proceso con sistemas digitales de control," Tecnología, pp. 141-147 (1990).
	QO	"Dezentrale Installation mit Echtzeit-Feldbus," Netzwerke, Jg. Nr.3 v. 14.3, 4 pages (1990).
	QP	"Process Measurement and Analysis," by Liptak et al., Instrument Engineers' Handbook, Third Edition, pp. 528-530, (1995).
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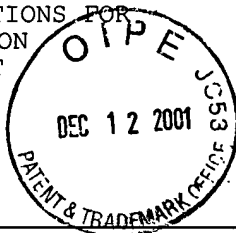
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U.S. PATENT DOCUMENTS

Examiner Initial	Document No.	Date	Name	Class	Sub Class	Filing Date If Appropriate
TV	AA	09/23/97	Schwartz et al.	374	1	
	AB	12/23/97	Eryurek	374	210	
	AC	12/30/97	Kirpatrick	340	870.17	
	AD	02/17/98	Jackson, Jr. et al.	219	497	
	AE	04/21/98	Wang et al.	374	185	
	AF	11/03/98	Schwartz et al.	374	1	
	AG	12/08/98	Yuuns	702	102	
	AH	03/02/99	Eryurek	374	183	
↓	AI	07/20/99	Pöppel	702	130	
TV	AJ	04/04/00	Schwartz et al.	374	183	
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	AM					
	AN					

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TV	AO	"Improving Dynamic Performance of Temperature Sensors With Fuzzy Control Techniques," by Wang Lei et al., pp. 872-873 (1992).				
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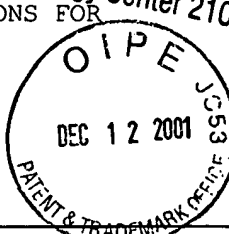
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Examiner Initial	Document No.	Date	Name	Class	Sub Class	Filing Date If Appropriate
TV	AA	4,528,869	07/16/85	Kubo et al.	74	695
	AB	4,807,151	02/21/89	Citron	364	510
	AC	5,019,760	05/28/91	Chu et al.	318	490
	AD	6,151,560	11/21/00	Jones	702	58
	AE	6,263,487	07/17/01	Stripf et al.	717	1
	AF	09/852,102	05/09/01	Eryurek et al.		
	AG	6,192,281	01/20/01	Brown et al.	700	2
✓	AH	6,195,591	01/27/01	Nixon et al.	700	2
TV	AI	6,298,377	10/02/01	Hartikainen et al.	709	223
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TV	AL	EP 0 807 804 A2	19/11/97	EPO		
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